STIC Search Report
Biotech-Chem Library

STIC Database Tracking Number: 114839

TO: Jeanine Goldberg Location: rem/2e74 Art Unit: 1634 Friday, February 20, 2004 Case Serial Number: 10/009897	From: Barb O'Bryen Location: Biotech-Chem Library Remsen E01A69 Phone: 571-272-2518 barbara.obryen@uspto.gov

Search Notes

O'Bryen, Barbara

From: Goldberg, Jeanine
Sent: Friday, February 20, 2004 12:17 PM
To: O'Bryen, Barbara
Subject: RE: 10/009897-seq id no: 38

28 Please.
thanks

-----Original Message-----
From: O'Bryen, Barbara
Sent: Friday, February 20, 2004 12:17 PM
To: Goldberg, Jeanine
Subject: RE: 10/009897-seq id no: 38

Jeanine,
In the subject line you have seq 38, but the message has seq 28. Which is correct?
Thanks,
Barb

-----Original Message-----
From: Goldberg, Jeanine
Sent: Friday, February 20, 2004 12:10 PM
To: O'Bryen, Barbara
Subject: 10/009897-seq id no: 38

Can you please tell me if SEQ ID NO: 28 has any hits compared to patent ~~6,495,110~~ 6492110 searching only against this patent.

THANKS

Jeanine Enewold Goldberg
1634
571-272-0743
REM 2E74

STIC-ILL

NW

4833600

From: Goldberg, Jeanine
Sent: Friday, February 20, 2004 11:46 AM
To: STIC-ILL
Subject: pl ease pull hiv reference

1. Korber et al. 1997 Human Retroviruses and AIDS: a Complication and analysis of Nucleic Acid and Amoni Acid SEequences, Pp. I18-I90. Los Alamos, NM Los ALamos National Labratory..

THANKS

Jeanine Enewold Goldberg
1634
571-272-0743
REM 2E74

506 20

UMM 2/23

GenCore version 5.1.6
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cleic - nucleic search, using sw model

n: February 20, 2004, 14:42:01 ; Search time 4 Seconds
(without alignments)
2.678 Million cell updates/sec

: US-10-009-897-28
ct score: 22
nce: 1 cacaattaaaactgtgcattac 22

ng table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

:hed: 112 seqs, 243491 residues

l number of hits satisfying chosen parameters: 224

num DB seq length: 0
num DB seq length: 2000000000

-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

base : 6492110.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

lt No.	Score	% Query Match	Length	DB	ID	Description
1	17.4	79.1	2529	1	US-09-184-418C-62	Sequence 62, Appl
2	17.4	79.1	2601	1	US-09-184-418C-60	Sequence 60, Appl
3	17.4	79.1	2652	1	US-09-184-418C-61	Sequence 61, Appl
4	17.4	79.1	8954	1	US-09-184-418C-6	Sequence 6, Appli
5	15.6	70.9	2574	1	US-09-184-418C-107	Sequence 107, App
6	15.6	70.9	2633	1	US-09-184-418C-104	Sequence 104, App
7	15.6	70.9	2651	1	US-09-184-418C-105	Sequence 105, App
8	15.6	70.9	8959	1	US-09-184-418C-11	Sequence 11, Appl
9	15.2	69.1	2583	1	US-09-184-418C-44	Sequence 44, Appl
10	15.2	69.1	2640	1	US-09-184-418C-41	Sequence 41, Appl
11	15.2	69.1	2658	1	US-09-184-418C-42	Sequence 42, Appl
12	15.2	69.1	8992	1	US-09-184-418C-4	Sequence 4, Appli
13	14.2	64.5	2538	1	US-09-184-418C-36	Sequence 36, Appl
14	14.2	64.5	2538	1	US-09-184-418C-54	Sequence 54, Appl
15	14.2	64.5	2541	1	US-09-184-418C-18	Sequence 18, Appl
16	14.2	64.5	2579	1	US-09-184-418C-51	Sequence 51, Appl
17	14.2	64.5	2606	1	US-09-184-418C-33	Sequence 33, Appl
18	14.2	64.5	2610	1	US-09-184-418C-15	Sequence 15, Appl
19	14.2	64.5	2645	1	US-09-184-418C-52	Sequence 52, Appl
20	14.2	64.5	2657	1	US-09-184-418C-34	Sequence 34, Appl
21	14.2	64.5	2661	1	US-09-184-418C-16	Sequence 16, Appl
22	14.2	64.5	8953	1	US-09-184-418C-3	Sequence 3, Appli
23	14.2	64.5	8966	1	US-09-184-418C-5	Sequence 5, Appli
24	14.2	64.5	8968	1	US-09-184-418C-1	Sequence 1, Appli
25	13.6	61.8	2598	1	US-09-184-418C-98	Sequence 98, Appl
26	13.6	61.8	2655	1	US-09-184-418C-95	Sequence 95, Appl
27	13.6	61.8	2721	1	US-09-184-418C-96	Sequence 96, Appl
28	13.6	61.8	9060	1	US-09-184-418C-10	Sequence 10, Appl
29	13.2	60.0	579	1	US-09-184-418C-75	Sequence 75, Appl
30	13.2	60.0	579	1	US-09-184-418C-84	Sequence 84, Appl
31	13.2	60.0	8972	1	US-09-184-418C-9	Sequence 9, Appli
32	13.2	60.0	9010	1	US-09-184-418C-8	Sequence 8, Appli
33	12.6	57.3	2544	1	US-09-184-418C-89	Sequence 89, Appl
c 34	12.6	57.3	2550	1	US-09-184-418C-28	Sequence 28, Appl
c 35	12.6	57.3	2571	1	US-09-184-418C-71	Sequence 71, Appl
c 36	12.6	57.3	2597	1	US-09-184-418C-25	Sequence 25, Appl
c 37	12.6	57.3	2607	1	US-09-184-418C-80	Sequence 80, Appl
c 38	12.6	57.3	2631	1	US-09-184-418C-87	Sequence 87, Appl
c 39	12.6	57.3	2643	1	US-09-184-418C-68	Sequence 68, Appl
c 40	12.6	57.3	2646	1	US-09-184-418C-86	Sequence 86, Appl
c 41	12.6	57.3	2663	1	US-09-184-418C-26	Sequence 26, Appl
c 42	12.6	57.3	2666	1	US-09-184-418C-77	Sequence 77, Appl
c 43	12.6	57.3	2684	1	US-09-184-418C-78	Sequence 78, Appl
c 44	12.6	57.3	2688	1	US-09-184-418C-69	Sequence 69, Appl
c 45	12.6	57.3	8987	1	US-09-184-418C-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-184-418C-62/c
; Sequence 62, Application US/09184418C
; Patent No. 6492110
; GENERAL INFORMATION:
; APPLICANT: Hahn, Beatrice
; APPLICANT: Gao, Feng
; APPLICANT: Shaw, George
; TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
; TITLE OF INVENTION: IMMUNODEFICIENCY VIRUS TYPE 1
; FILE REFERENCE: D6287
; CURRENT APPLICATION NUMBER: US/09/184,418C
; CURRENT FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 112
; SEQ ID NO 62
; LENGTH: 2529
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus type 1
; FEATURE:
; OTHER INFORMATION: isolate=93BR029; gene=env
US-09-184-418C-62

Query Match 79.1%; Score 17.4; DB 1; Length 2529;
Best Local Similarity 94.7%; Pred. No. 0.33;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          2 ACAATTAAAACTGTGCATT 20
              ||||||||||| ||||||
Db       1134 ACAATTAAAACTATGCATT 1116
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RESULT 2
US-09-184-418C-60/c
; Sequence 60, Application US/09184418C
; Patent No. 6492110
; GENERAL INFORMATION:
; APPLICANT: Hahn, Beatrice
; APPLICANT: Gao, Feng
; APPLICANT: Shaw, George
; TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
; TITLE OF INVENTION: IMMUNODEFICIENCY VIRUS TYPE 1
; FILE REFERENCE: D6287
; CURRENT APPLICATION NUMBER: US/09/184,418C
; CURRENT FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 112
; SEQ ID NO 60
; LENGTH: 2601
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus type 1
; FEATURE:
; OTHER INFORMATION: isolate=93BR029; gene=tat
US-09-184-418C-60

Query Match 79.1%; Score 17.4; DB 1; Length 2601;
Best Local Similarity 94.7%; Pred. No. 0.33;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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          2 ACAATTAAAACTGTGCATT 20
            ||||||||||||| ||||||
       1538 ACAATTAAAACTATGCATT 1520


SULT 3
-09-184-418C-61/c
Sequence 61, Application US/09184418C
Patent No. 6492110
GENERAL INFORMATION:
 APPLICANT: Hahn, Beatrice
 APPLICANT:  Gao, Feng
 APPLICANT:  Shaw, George
 TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
 TITLE OF INVENTION:  IMMUNODEFICIENCY VIRUS TYPE 1
 FILE REFERENCE: D6287
 CURRENT APPLICATION NUMBER: US/09/184,418C
 CURRENT FILING DATE:  1999-11-02
 NUMBER OF SEQ ID NOS: 112
SEQ ID NO 61
  LENGTH: 2652
  TYPE: DNA
  ORGANISM: Human immunodeficiency virus type 1
  FEATURE:
  OTHER INFORMATION: isolate=93BR029; gene=rev
-09-184-418C-61

Query Match             79.1%;  Score 17.4;  DB 1;  Length 2652;
Best Local Similarity   94.7%;  Pred. No. 0.33;
Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

          2 ACAATTAAAACTGTGCATT 20
            ||||||||||||| ||||||
       1399 ACAATTAAAACTATGCATT 1381


SULT 4
-09-184-418C-6/c
Sequence 6, Application US/09184418C
Patent No. 6492110
GENERAL INFORMATION:
 APPLICANT: Hahn, Beatrice
 APPLICANT:  Gao, Feng
 APPLICANT:  Shaw, George
 TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
 TITLE OF INVENTION:  IMMUNODEFICIENCY VIRUS TYPE 1
 FILE REFERENCE: D6287
 CURRENT APPLICATION NUMBER: US/09/184,418C
 CURRENT FILING DATE:  1999-11-02
 NUMBER OF SEQ ID NOS: 112
SEQ ID NO 6
  LENGTH: 8954
  TYPE: DNA
  ORGANISM: Human immunodeficiency virus type 1
  FEATURE:
  OTHER INFORMATION: isolate=93BR029; 142..1579:gene="gag"; 1437..4448:gene="pol";
  OTHER INFORMATION: 4393..4971:gene="vif"; 4911..5201:gene="vpr";
  OTHER INFORMATION: 5182..7782:gene="tat"; 5321..7972:gene="rev";
  OTHER INFORMATION: 5586..8114:gene="env"; 8116..8736:gene="nef"
-09-184-418C-6

Query Match             79.1%;  Score 17.4;  DB 1;  Length 8954;
Best Local Similarity   94.7%;  Pred. No. 0.43;
Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

          2 ACAATTAAAACTGTGCATT 20
            ||||||||||||| ||||||
       6719 ACAATTAAAACTATGCATT 6701


SULT 5
-09-184-418C-107/c
; Sequence 107, Application US/09184418C
; Patent No. 6492110
; GENERAL INFORMATION:
;  APPLICANT: Hahn, Beatrice
;  APPLICANT:  Gao, Feng
;  APPLICANT:  Shaw, George
;  TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
;  TITLE OF INVENTION:  IMMUNODEFICIENCY VIRUS TYPE 1
;  FILE REFERENCE: D6287
;  CURRENT APPLICATION NUMBER: US/09/184,418C
;  CURRENT FILING DATE:  1999-11-02
;  NUMBER OF SEQ ID NOS: 112
; SEQ ID NO 107
;   LENGTH: 2574
;   TYPE: DNA
;   ORGANISM: Human immunodeficiency virus type 1
;   FEATURE:
;   OTHER INFORMATION: isolate=94IN476.104; gene=env
US-09-184-418C-107

  Query Match             70.9%;  Score 15.6;  DB 1;  Length 2574;
  Best Local Similarity   81.8%;  Pred. No. 1.6;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy          1 CACAATTAAAACTGTGCATTAC 22
              |||||||||| || ||  ||||
Db       1120 CACAATTAAAGCTATGTGTTAC 1099


RESULT 6
US-09-184-418C-104/c
; Sequence 104, Application US/09184418C
; Patent No. 6492110
; GENERAL INFORMATION:
;  APPLICANT: Hahn, Beatrice
;  APPLICANT:  Gao, Feng
;  APPLICANT:  Shaw, George
;  TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
;  TITLE OF INVENTION:  IMMUNODEFICIENCY VIRUS TYPE 1
;  FILE REFERENCE: D6287
;  CURRENT APPLICATION NUMBER: US/09/184,418C
;  CURRENT FILING DATE:  1999-11-02
;  NUMBER OF SEQ ID NOS: 112
; SEQ ID NO 104
;   LENGTH: 2633
;   TYPE: DNA
;   ORGANISM: Human immunodeficiency virus type 1
;   FEATURE:
;   OTHER INFORMATION: isolate=94IN476.104; gene=tat
US-09-184-418C-104

  Query Match             70.9%;  Score 15.6;  DB 1;  Length 2633;
  Best Local Similarity   81.8%;  Pred. No. 1.6;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy          1 CACAATTAAAACTGTGCATTAC 22
              |||||||||| || ||  ||||
Db       1526 CACAATTAAAGCTATGTGTTAC 1505


RESULT 7
US-09-184-418C-105/c
; Sequence 105, Application US/09184418C
; Patent No. 6492110
; GENERAL INFORMATION:
;  APPLICANT: Hahn, Beatrice
;  APPLICANT:  Gao, Feng
;  APPLICANT:  Shaw, George
;  TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
;  TITLE OF INVENTION:  IMMUNODEFICIENCY VIRUS TYPE 1
;  FILE REFERENCE: D6287
;  CURRENT APPLICATION NUMBER: US/09/184,418C
;  CURRENT FILING DATE:  1999-11-02
```

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NUMBER OF SEQ ID NOS: 112
EQ ID NO 105
 LENGTH: 2651
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus type 1
 FEATURE:
 OTHER INFORMATION: isolate=94IN476.104; gene=rev
09-184-418C-105

uery Match             70.9%;  Score 15.6;  DB 1;  Length 2651;
est Local Similarity   81.8%;  Pred. No. 1.6;
atches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

         1 CACAATTAAAACTGTGCATTAC 22
           |||||||||| || ||  ||||
      1387 CACAATTAAAGCTATGTGTTAC 1366


ULT 8
09-184-418C-11/c
equence 11, Application US/09184418C
atent No. 6492110
ENERAL INFORMATION:
APPLICANT: Hahn, Beatrice
APPLICANT:  Gao, Feng
APPLICANT:  Shaw, George
ITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
ITLE OF INVENTION:  IMMUNODEFICIENCY VIRUS TYPE 1
ILE REFERENCE: D6287
URRENT APPLICATION NUMBER: US/09/184,418C
URRENT FILING DATE:  1999-11-02
UMBER OF SEQ ID NOS: 112
EQ ID NO 11
 LENGTH: 8959
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus type 1
 FEATURE:
 OTHER INFORMATION: isolate=94IN476.104; 138.1613:"gag";
 OTHER INFORMATION: 1418.4428:"pol"; 4361.4939:"vif"; 4879.5169:"vpr";
 OTHER INFORMATION: 5150.7782:tat"; 5289.7939:"rev"; 5378.5638:"vpu";
 OTHER INFORMATION: 5556.8129:"env"; 8131.8754:nef
09-184-418C-11

uery Match             70.9%;  Score 15.6;  DB 1;  Length 8959;
est Local Similarity   81.8%;  Pred. No. 2.1;
atches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

         1 CACAATTAAAACTGTGCATTAC 22
           |||||||||| || ||  ||||
      6675 CACAATTAAAGCTATGTGTTAC 6654


ULT 9
09-184-418C-44/c
equence 44, Application US/09184418C
atent No. 6492110
ENERAL INFORMATION:
APPLICANT: Hahn, Beatrice
APPLICANT:  Gao, Feng
APPLICANT:  Shaw, George
TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
TITLE OF INVENTION:  IMMUNODEFICIENCY VIRUS TYPE 1
FILE REFERENCE: D6287
CURRENT APPLICATION NUMBER: US/09/184,418C
CURRENT FILING DATE:  1999-11-02
NUMBER OF SEQ ID NOS: 112
EQ ID NO 44
 LENGTH: 2583
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus type 1
 FEATURE:
 OTHER INFORMATION: isolate=92RW009; gene=env
09-184-418C-44

  Query Match             69.1%;  Score 15.2;  DB 1;  Length 2583;
  Best Local Similarity   85.0%;  Pred. No. 2.3;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          1 CACAATTAAAACTGTGCATT 20
              |||||||||||| ||  ||
Db       1135 CACAATTAAAACTATGTGTT 1116


RESULT 10
US-09-184-418C-41/c
; Sequence 41, Application US/09184418C
; Patent No. 6492110
; GENERAL INFORMATION:
;  APPLICANT: Hahn, Beatrice
;  APPLICANT:  Gao, Feng
;  APPLICANT:  Shaw, George
;  TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
;  TITLE OF INVENTION:  IMMUNODEFICIENCY VIRUS TYPE 1
;  FILE REFERENCE: D6287
;  CURRENT APPLICATION NUMBER: US/09/184,418C
;  CURRENT FILING DATE:  1999-11-02
;  NUMBER OF SEQ ID NOS: 112
; SEQ ID NO 41
;   LENGTH: 2640
;   TYPE: DNA
;   ORGANISM: Human immunodeficiency virus type 1
;   FEATURE:
;   OTHER INFORMATION: isolate=92RW009; gene=tat
US-09-184-418C-41

  Query Match             69.1%;  Score 15.2;  DB 1;  Length 2640;
  Best Local Similarity   85.0%;  Pred. No. 2.3;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          1 CACAATTAAAACTGTGCATT 20
              |||||||||||| ||  ||
Db       1539 CACAATTAAAACTATGTGTT 1520


RESULT 11
US-09-184-418C-42/c
; Sequence 42, Application US/09184418C
; Patent No. 6492110
; GENERAL INFORMATION:
;  APPLICANT: Hahn, Beatrice
;  APPLICANT:  Gao, Feng
;  APPLICANT:  Shaw, George
;  TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
;  TITLE OF INVENTION:  IMMUNODEFICIENCY VIRUS TYPE 1
;  FILE REFERENCE: D6287
;  CURRENT APPLICATION NUMBER: US/09/184,418C
;  CURRENT FILING DATE:  1999-11-02
;  NUMBER OF SEQ ID NOS: 112
; SEQ ID NO 42
;   LENGTH: 2658
;   TYPE: DNA
;   ORGANISM: Human immunodeficiency virus type 1
;   FEATURE:
;   OTHER INFORMATION: isolate=92RW009;  gene=rev
US-09-184-418C-42

  Query Match             69.1%;  Score 15.2;  DB 1;  Length 2658;
  Best Local Similarity   85.0%;  Pred. No. 2.3;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          1 CACAATTAAAACTGTGCATT 20
              |||||||||||| ||  ||
Db       1400 CACAATTAAAACTATGTGTT 1381


RESULT 12
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3-09-184-418C-4/c
Sequence 4, Application US/09184418C
Patent No. 6492110
GENERAL INFORMATION:
APPLICANT: Hahn, Beatrice
APPLICANT: Gao, Feng
APPLICANT: Shaw, George
TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
TITLE OF INVENTION: IMMUNODEFICIENCY VIRUS TYPE 1
FILE REFERENCE: D6287
CURRENT APPLICATION NUMBER: US/09/184,418C
CURRENT FILING DATE: 1999-11-02
NUMBER OF SEQ ID NOS: 112
SEQ ID NO 4
LENGTH: 8992
TYPE: DNA
ORGANISM: Human immunodeficiency virus type 1
FEATURE:
OTHER INFORMATION: isolate=92RW009; 139.1624:gag; 1690.4428:pol(N-terminus uncertain
OTHER INFORMATION: 4373.4951:vif; 4891.5181:vpr; 5162.7801:tat; 5301.7958:rev;
OTHER INFORMATION: 5403.5648:vpu; 5566.8148:env; 8150.8773:nef
3-09-184-418C-4

Query Match 69.1%; Score 15.2; DB 1; Length 8992;
Best Local Similarity 85.0%; Pred. No. 2.9;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

1 CACAATTAAAACTGTGCATT 20
|||||||||||| || ||
6700 CACAATTAAAACTATGTGTT 6681

SULT 13
3-09-184-418C-36/c
Sequence 36, Application US/09184418C
Patent No. 6492110
GENERAL INFORMATION:
APPLICANT: Hahn, Beatrice
APPLICANT: Gao, Feng
APPLICANT: Shaw, George
TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
TITLE OF INVENTION: IMMUNODEFICIENCY VIRUS TYPE 1
FILE REFERENCE: D6287
CURRENT APPLICATION NUMBER: US/09/184,418C
CURRENT FILING DATE: 1999-11-02
NUMBER OF SEQ ID NOS: 112
SEQ ID NO 36
LENGTH: 2538
TYPE: DNA
ORGANISM: Human immunodeficiency virus type 1
FEATURE:
OTHER INFORMATION: isolate=90CR056; gene=env
3-09-184-418C-36

Query Match 64.5%; Score 14.2; DB 1; Length 2538;
Best Local Similarity 84.2%; Pred. No. 5.4;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

2 ACAATTAAAACTGTGCATT 20
|||||||||||| || ||
1107 ACAATTAAAACTATGTGTT 1089

SULT 14
3-09-184-418C-54/c
Sequence 54, Application US/09184418C
Patent No. 6492110
GENERAL INFORMATION:
APPLICANT: Hahn, Beatrice
APPLICANT: Gao, Feng
APPLICANT: Shaw, George
TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
TITLE OF INVENTION: IMMUNODEFICIENCY VIRUS TYPE 1
; FILE REFERENCE: D6287
; CURRENT APPLICATION NUMBER: US/09/184,418C
; CURRENT FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 112
; SEQ ID NO 54
; LENGTH: 2538
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus type 1
; FEATURE:
; OTHER INFORMATION: isolate=92NG003; gene=env
US-09-184-418C-54

Query Match 64.5%; Score 14.2; DB 1; Length 2538;
Best Local Similarity 84.2%; Pred. No. 5.4;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 ACAATTAAAACTGTGCATT 20
|||||||||||| || ||
Db 1119 ACAATTAAAACTATGTGTT 1101

RESULT 15
US-09-184-418C-18/c
; Sequence 18, Application US/09184418C
; Patent No. 6492110
; GENERAL INFORMATION:
; APPLICANT: Hahn, Beatrice
; APPLICANT: Gao, Feng
; APPLICANT: Shaw, George
; TITLE OF INVENTION: CLONES AND SEQUENCES FOR NON-SUBTYPE B ISOLATES OF HUMAN
; TITLE OF INVENTION: IMMUNODEFICIENCY VIRUS TYPE 1
; FILE REFERENCE: D6287
; CURRENT APPLICATION NUMBER: US/09/184,418C
; CURRENT FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 112
; SEQ ID NO 18
; LENGTH: 2541
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus type 1
; FEATURE:
; OTHER INFORMATION: isolate=93BR020; gene=env
US-09-184-418C-18

Query Match 64.5%; Score 14.2; DB 1; Length 2541;
Best Local Similarity 84.2%; Pred. No. 5.4;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 ACAATTAAAACTGTGCATT 20
|||||||||| | ||| ||
Db 1134 ACAATTAAAATTATGCCTT 1116

Search completed: February 20, 2004, 14:42:06
Job time : 5 secs